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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/238,972DATE: 02/09/1999
TIME: 15:04:16

Input Set: I238972.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

#3

edm
4-2-99
ENTERED

1 <110> APPLICANT: MacLeod, Carol L.
2 <120> TITLE OF INVENTION: Inhibition of Cationic Amino Acid Transporter Protein
3 and Uses Thereof
4 <130> FILE REFERENCE: D5232CIP3
5 <140> CURRENT APPLICATION NUMBER: US/09/238,972
6 <141> CURRENT FILING DATE: 1999-01-27
7 <150> EARLIER APPLICATION NUMBER: US 08/187,634
8 <151> EARLIER FILING DATE: 1994-26-01
9 <160> NUMBER OF SEQ ID NOS: 16
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12 <212> TYPE: DNA
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14 <220> FEATURE:
15 <222> LOCATION: 489..515
16 <223> OTHER INFORMATION: CAT2 sense oligonucleotide
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18 tatccaagac ttctttgccg tgtgc 25
19 <210> SEQ ID NO 2
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22 <213> ORGANISM: artificial sequence
23 <220> FEATURE:
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25 <223> OTHER INFORMATION: CAT2 antisense oligonucleotide
26 <400> SEQUENCE: 2
27 gtaggctgaa accctgtcct tgc 23.
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29 <211> LENGTH: 27
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32 <220> FEATURE:
33 <221> NAME/KEY: primer_bind
34 <222> LOCATION: 1453..1470
35 <223> OTHER INFORMATION: Primer used in RT of total RNA from mouse cell
36 lines SL12.4 and J774, mouse liver and skeletal
37 muscle tissues, and from unstimulated and
38 stimulated splenocytes to detect CAT2 promoter usage.
39 <400> SEQUENCE: 3
40 cgcgaaattcc gactgtcgtg tgggcag 27
41 <210> SEQ ID NO 4
42 <211> LENGTH: 24
43 <212> TYPE: DNA
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45 <220> FEATURE:
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51 <210> SEQ ID NO 5
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53 <212> TYPE: DNA
54 <213> ORGANISM: artificial sequence
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57 <222> LOCATION: 1406..1429
58 <223> OTHER INFORMATION: Primer used to amplify Cat2a isoform
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62 <211> LENGTH: 22
63 <212> TYPE: DNA
64 <213> ORGANISM: artificial sequence
65 <220> FEATURE:
66 <222> LOCATION: 1071..1093
67 <223> OTHER INFORMATION: CAT2 specific 5(-end labeled oligonucleotide probe
68 used to authenticate PCR product
69 <400> SEQUENCE: 6
70 tcccaatgcc tcgtgtaatc ta 22
71 <210> SEQ ID NO 7
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74 <213> ORGANISM: artificial sequence
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76 <222> LOCATION: 1159..1181
77 <223> OTHER INFORMATION: CAT2a specific 5(-end labeled oligonucleotide probe
78 used to authenticate PCR product
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80 tgcagtcatc gtggcagcaa cg 22
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83 <212> TYPE: DNA
84 <213> ORGANISM: artificial sequence
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86 <221> NAME/KEY: primer_bind
87 <223> OTHER INFORMATION: Oligonucleotide used to amplify Cat2 transcripts
88 from the liver of Cat2-/- mice
89 <400> SEQUENCE: 8
90 tgtctgcgcg gatctggaaa gg 22
91 <210> SEQ ID NO 9
92 <211> LENGTH: 22
93 <212> TYPE: DNA
94 <213> ORGANISM: artificial sequence

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95  <220> FEATURE:
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117  <223> OTHER INFORMATION: Primer used to clone the NOS2 cDNA by RT/PCR
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119  <400> SEQUENCE: 11
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133  <212> TYPE: DNA
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137      Cat2-/- liver
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139      ggcaactgcc cagtacgtcc agtgtcgcaa gagcatggag tggcaccttt gacgaacttc 60
140      ttaataa                                     67
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145 <220> FEATURE:
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147 <400> SEQUENCE: 14
148 Met Glu Trp His Leu
149 5
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151 <211> LENGTH: 21
152 <212> TYPE: DNA
153 <213> ORGANISM: artificial sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Nucleotide sequence of the Neomycin (Neo) cassette
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157 ttcttctgag gggatttcca g 21
158 <210> SEQ ID NO 16
159 <211> LENGTH: 9
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162 <220> FEATURE:
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164 is spliced
165 <400> SEQUENCE: 16
166 gtacgtcca 9

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VERIFICATION SUMMARY
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Line ? Error/Warning

Original Text
